

AL1637 – Southwestern part of Zarqa groundwater basin

Well AL1637 “YAJUZ NO 1” in the southwestern part of Zarqa groundwater basin is the only monitoring well in the Zarqa groundwater basin where the current trend is upward, +0.12 m/yr. The groundwater level is close to the top of the A4 aquifer at this location, and the saturated thickness is forecast to increase slightly by 2030. There are several groundwater levels that are substantially higher than preceding and following values, perhaps suggesting a data QA issue. However, removal of these values will not cause the estimated trend to reverse, or change much. This well is listed as a domestic supply government well in 2009, and little pumping occurred nearby in 2009, according to records. The rise in water levels may be caused by irrigation or sewage return flows, or by increased recharge or decreased pumping in the area.

